

**Joe  
Garcia/D04/Caltrans/CAGov**  
10/27/2011 07:37 AM

To kingn@pbworld.com  
cc Angela Haack/D04/Caltrans/CAGov@DOT  
bcc  
Subject Fw: Extra Cable Mounted Roadway Lights

Good morning Nick

The CCO number is CCO 167s02.

The name of CCO 167s02 is: "Additional Cable LED's"

Joe Garcia, PE  
SFOBB - SAS  
CCO Group  
Phone (510)622-5669  
Cell (510)812-7751

----- Forwarded by Joe Garcia/D04/Caltrans/CAGov on 10/27/2011 07:30 AM -----

**Angela  
Haack/D04/Caltrans/CAGov**  
10/27/2011 07:27 AM

To Joe Garcia/D04/Caltrans/CAGov@DOT  
cc  
Subject Fw: Extra Cable Mounted Roadway Lights

Angela Haack  
CCO Engineer  
SFOBB - SAS  
(510) 622-5196

----- Forwarded by Angela Haack/D04/Caltrans/CAGov on 10/27/2011 07:23 AM -----



**"King, Nick"**  
**<KingN@pbworld.com>**  
10/26/2011 05:46 PM

To Steven Hulsebus <steven\_hulsebus@dot.ca.gov>, Bill Shedd <bill\_shedd@dot.ca.gov>, Bill Casey <bill\_casey@dot.ca.gov>  
cc Angela Haack <Angela\_Haack@dot.ca.gov>, Clive Endress <clive\_endress@dot.ca.gov>, Saeed Shahmirzai <Saeed\_Shahmirzai@dot.ca.gov>, Jing Z Chen <jing\_z\_chen@dot.ca.gov>  
Subject RE: Extra Cable Mounted Roadway Lights

Thanks for the info. Will put it on my task list and stay tuned for a CCO number.

-----Original Message-----

From: Steven Hulsebus [mailto:steven\_hulsebus@dot.ca.gov]  
Sent: Tuesday, October 25, 2011 1:27 PM

To: Bill Shedd; Bill Casey  
Cc: Angela Haack; Clive Endress; King, Nick; Saeed Shahmirzai; Jing Z  
Chen  
Subject: Re: Extra Cable Mounted Roadway Lights

Bill/Bill,  
Here is our request for CCO on this matter: (See attached file: SAS CCO  
main cable lights.pdf)

To	Bill Shedd/D04/Caltran s/CAGov	Steven Hulsebus/D04/Caltrans/CAGov@DOT
	10/12/2011 03:45 PM	
cc	Casey/D04/Caltrans/CAGov@DOT, Shahmirzai/D04/Caltrans/CAGov@DOT,	Bill Saeed Clive Endress/D04/Caltrans/CAGov@DOT, Angela Haack/D04/Caltrans/CAGov@DOT, KingN@pbworld.com
Subject	Extra Cable Mounted Roadway Lights	

Steve,

As discussed, at last week's visit to Musco to observe the progress of the light poles and light fixtures, there were discussions regarding extra cable-mounted roadway light fixtures at the following 2 locations:

1. At Panel Point 80 of the east end of the e/b side of the SAS, the plan calls for only 2 light fixtures. All of the other clusters have 3 fixtures. Musco indicated that 3 light fixtures would be required to meet the lighting standards of the contract. Therefore, an additional fixture is required.

2. At the same Panel Point, on the w/b bridge, there are no fixtures. The minimum light could probably be achieved, but there will be only 8 clusters of cable-mounted roadway light fixtures, while on the e/b side there will be 9 clusters. Clive indicated that the addition of three fixtures would create symmetry.

Upon your direction, we will proceed with this CCO.

Thanks,

Bill Shedd  
Construction Senior, SAS Bay Bridge

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